

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application. Claim 1 has been amended. New claims 7-10 have been added.

Listing of Claims:

1. (Currently Amended) A process ~~Process~~ for the preparation of inorganic materials, comprising the process steps of:

(a) initially introducing at least one salt solution containing at least one substance into a vessel ~~and optionally bringing together therewith at least one solid and mixing with one another,~~

(b) adding at least one further salt solution containing at least one substance, thereby precipitating out a resulting new inorganic substance because of its lower solubility product, and at least one further substance remains in the solution, ~~optionally adding at least one further salt solution containing at least one substance, or a further solvent to form a suspension,~~

(c) freezing or solidifying the suspension obtained by cooling, such that a uniform distribution of solid and salt solution being retained in the suspension and preventing sedimentation of solid,

(d) subliming the solvent by application of a vacuum,

(e) drying the suspension,

~~optionally heat treating the solid obtained, and~~

(f) identifying the solid obtained or the material obtained in respect of at least one of its morphology, size, composition, and properties, ~~and~~

~~optionally repeating these process steps in order to prepare and identify a plurality of material samples in the form of a library.~~

2. (Previously Presented) The process according to claim 1, wherein the process steps are carried out at least partly in parallel.

3. (Previously Presented) The process according to claim 1, wherein, solids obtained are tested for their catalytic activity.

4. (Previously Presented) A device for carrying out the process according to claim 1 in parallel, comprising at least two suitable vessels are arranged in parallel such that they are immersed in a cooling medium or a cooling medium flows around them.

5. (Previously Presented) The process according to claim 2, wherein, solids obtained are tested for their catalytic activity.

6. (Previously Presented) A device for carrying out the process according to claim 2 in parallel, comprising at least two suitable vessels are arranged in parallel such that they are immersed in a cooling medium or a cooling medium flows around them.

7. (New) The process according to claim 1 further comprising:
mixing at least one solid with the at least one salt solution in step (a).

8. (New) The process according to claim 1 further comprising:
adding at least one further salt solution containing at least one substance or a solvent in
step (b).

9. (New) The process according to claim 1 further comprising:
heat treating the solid obtained in step (e).

10. (New) The process according to claim 1 further comprising:
repeating said process steps (a)-(f) in order to prepare and identify a plurality of
material samples in the form of a library.